WHAT IS CLAIMED IS:

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1. A method of manufacturing an electronic parts packaging structure, comprising the steps of:

forming a first resin film uncured on a wiring substrate including a wiring pattern;

burying an electronic parts having a connection terminal on an element formation surface in the first resin film uncured in a state where the connection terminal is directed upward;

forming a second resin film for covering the electronic parts;

obtaining an insulation film by curing the first and second resin films by heat treatment;

forming a via hole in a predetermined portion of the insulation film on the wiring pattern and the connection terminal; and

forming an upper wiring pattern connected to the wiring pattern and the connection terminal through the via hole, on the insulation film.

2. A method of manufacturing an electronic parts packaging structure, comprising the steps of:

forming a resin film uncured on a wiring substrate including a wiring pattern;

burying an electronic parts, which has a connection terminal and a passivation film having an opening portion for exposing the connection terminal on an element formation surface, in the resin film

uncured in a state where the connection terminal is directed upward;

obtaining an insulation film by curing the resin film by heat treatment;

forming a via hole in a predetermined portion of the insulation film on the wiring pattern; and

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forming an upper wiring pattern, which is connected to the wiring pattern through the via hole and connected to the connection terminal through the opening portion, on the insulation film and the electronic parts.

3. A method of manufacturing an electronic parts packaging structure, comprising the steps of:

forming a resin film uncured on a wiring substrate including a wiring pattern;

burying an electronic parts having a connection terminal on an element formation surface in the resin film uncured in a state where the connection terminal is directed downward, and joining the connection terminal to the wiring pattern;

obtaining an insulation film by curing the resin film by heat treatment;

forming a via hole in a predetermined portion of the insulation film on the wiring pattern; and

forming an upper wiring pattern connected to the wiring pattern through the via hole, on the insulation film.

4. A method of manufacturing an electronic parts packaging structure, comprising the steps of:

forming a first resin film uncured on a wiring substrate including a wiring pattern;

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burying an electronic parts having a connection terminal on an element formation surface in film uncured in a state where first resin the connection terminal is directed downward, terminal the wiring joining the connection to pattern;

forming a second resin film for covering the electronic parts;

obtaining an insulation film by curing the first and second resin films by heat treatment;

forming a via hole in a predetermined portion of the insulation film on the wiring pattern; and

forming an upper wiring pattern connected to the wiring pattern through the via hole, on the insulation film.

5. The method according to any one of claims 3 and 4, after the step of forming the resin film uncured and before the step of joining the connection terminal of the electronic parts to the wiring pattern, further comprising the step of:

forming an opening portion in a portion of the resin film on the wiring pattern to which the connection terminal of the electronic parts is

joined,

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wherein the step of joining the connection terminal of the electronic parts to the wiring pattern includes placing the connection terminal of the electronic parts while making the connection terminal of the electronic parts correspond to the opening portion of the resin film.

6. The method according to claim 5,

wherein the connection terminal of the electronic parts is a solder bump, and

wherein in the step of joining the connection terminal of the electronic parts to the wiring pattern, a gap between the electronic parts and a side surface of the opening portion of the resin film is filled by deforming the solder bump by reflowing and curing.

- 7. The method according to any one of claims 1 to 4, wherein in the step of burying the electronic parts in the resin film uncured, an upper surface of the resin film uncured and any one of the element formation surface and a backside of the electronic parts are set at an almost same height.
- 8. The method according to any one of claims 1 and 2, wherein in the step of burying the electronic parts in the resin film uncured, the resin film is interposed between a backside of the electronic parts and the wiring substrate.

- 9. The method according to claim 3, wherein in the step of forming the upper wiring pattern, the upper wiring pattern is not formed on the electronic parts.
- to 4, further comprising the step of: repeating the steps from the step of burying the electronic parts in the resin film to the step of forming the upper wiring pattern with a predetermined number of times.
- 10 11. The method according to any one of claims 1 to 4, further comprising the step of, flip-chip bonding an upper electronic parts to the upper wiring pattern.

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- 12. The method according to any one of claims 1 to 4, wherein the electronic parts is a semiconductor chip having a thickness of approximately 150 μ m or less.
- 13. An electronic parts packaging structure comprising:
 - a wiring substrate including a wiring pattern;
- a first insulation film formed on the wiring substrate;

an electronic parts having a connection terminal on an element formation surface, the electronic parts being buried in the first insulation film in a state where the connection terminal is directed upward and being mounted in a state where a backside

of the electronic parts is not in contact with the wiring substrate;

a second insulation film for covering the electronic parts;

via holes respectively formed in a predetermined portion of the first and second insulation films on the wiring pattern and the connection terminal; and

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an upper wiring pattern formed on the second insulation film, the upper wiring pattern being connected to the wiring pattern and the connection terminal through the via holes.

14. An electronic parts packaging structure comprising:

a wiring substrate including a wiring pattern;
an insulation film formed on the wiring
substrate;

electronic parts including a connection an terminal and a passivation film having an opening portion for exposing the connection terminal on an element formation surface, the electronic parts being buried in the insulation film in a state where the connection terminal is directed upward and being mounted backside of in a state where а electronic parts is not in contact with the wiring substrate;

a via hole formed in a predetermined portion of the insulation film on the wiring pattern; and an upper wiring pattern formed on the insulation film and the electronic parts, the upper wiring pattern being connected to the wiring pattern through the via hole and connected to the connection terminal through the opening portion.

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- 15. The electronic parts packaging structure according to any one of claims 13 and 14, wherein the element formation surface of the electronic parts and an upper surface of the insulation film in which the electronic parts is buried are at an almost same height to be planarized.
- 16. The electronic parts packaging structure according to any one of claims 13 and 14, wherein the electronic parts is a semiconductor chip having a thickness of approximately 150 μ m or less.
- 17. The electronic parts packaging structure according to any one of claims 13 and 14, wherein the insulation film is made of resin.